

5465102

08 238444

10719

APPROVED BY DRAFTSMAN	CLASS 345	SUBCLASS 89

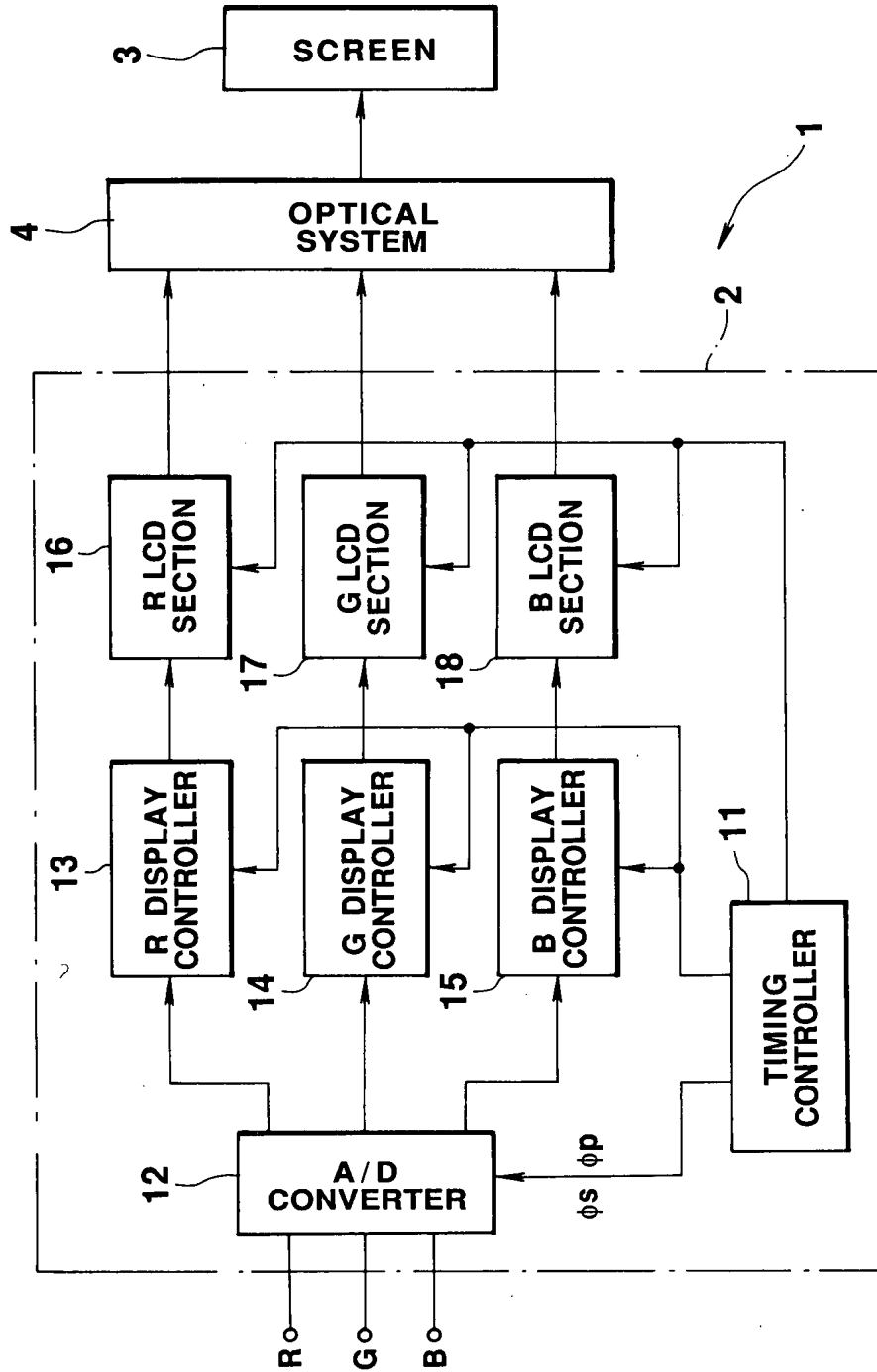
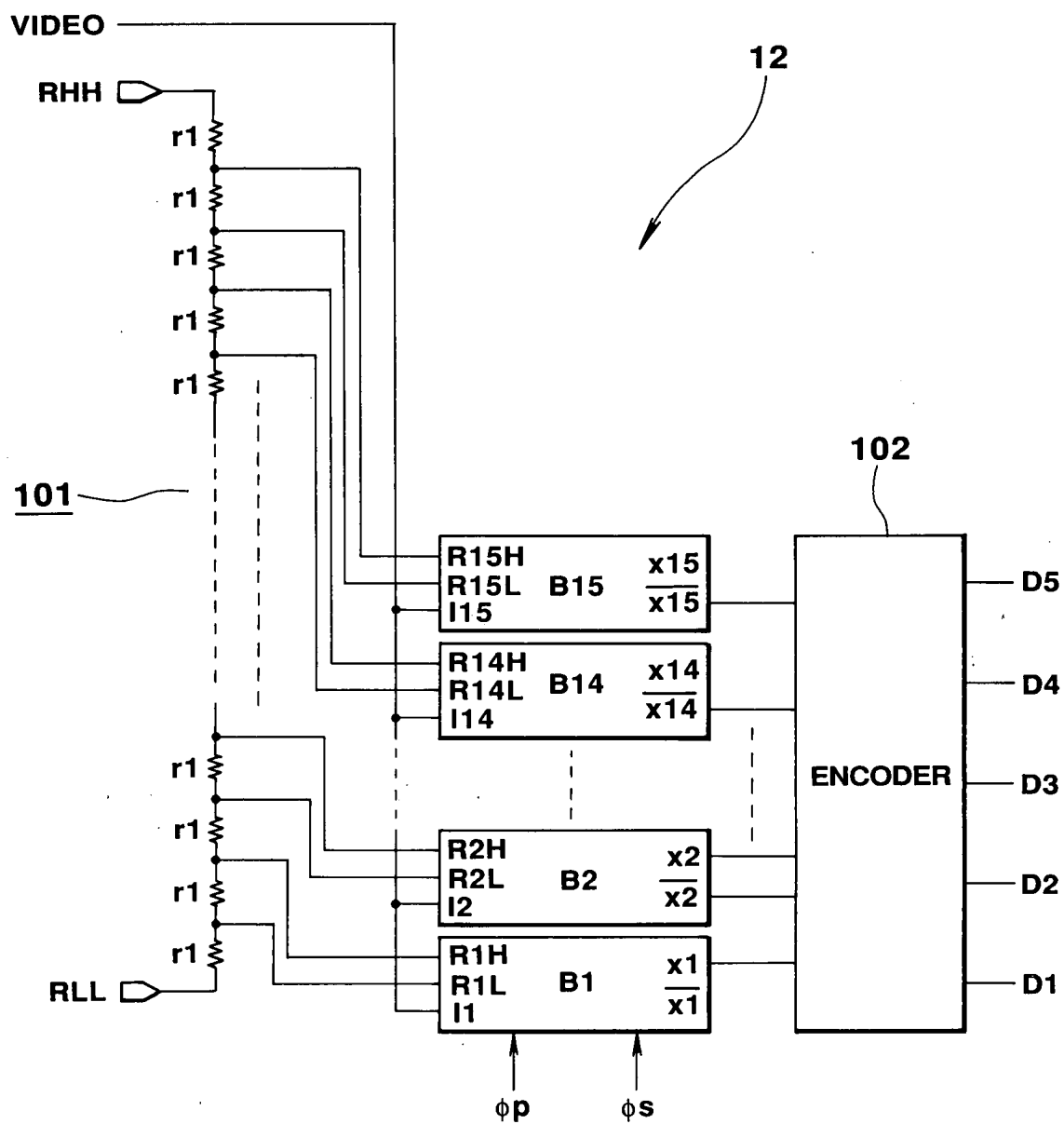


FIG. 1

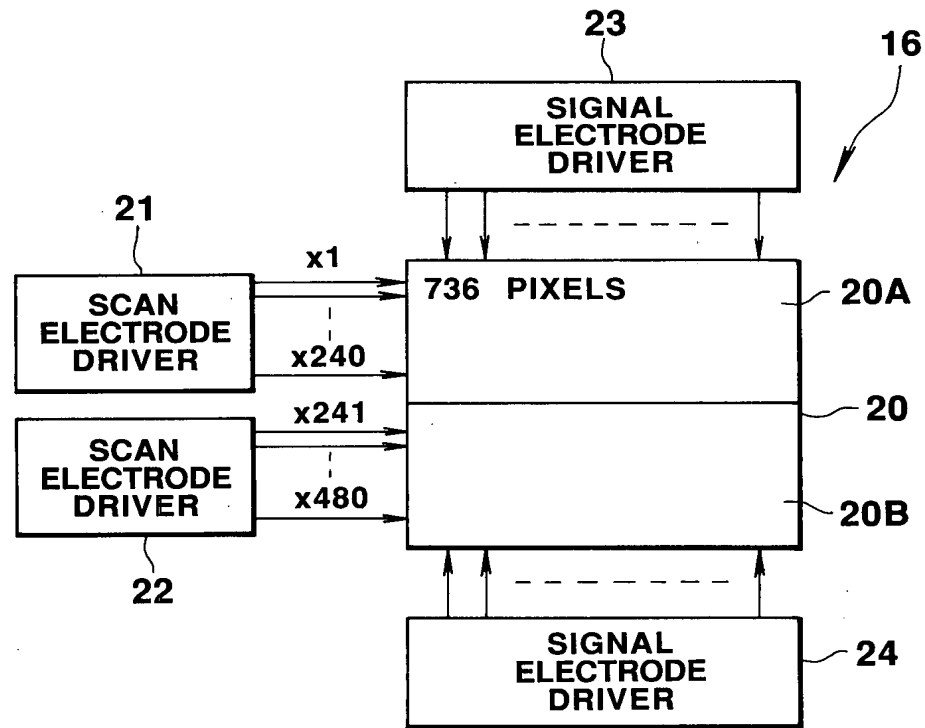
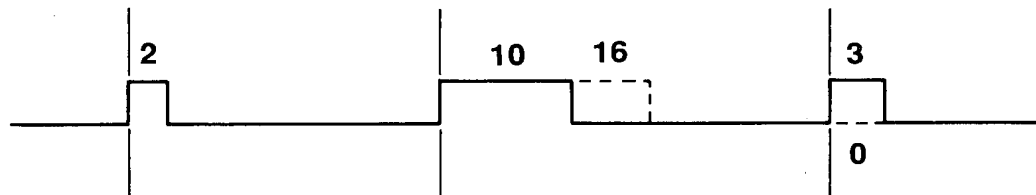
43  
#fig

APPROVED BY DRAFTSMAN	O. G. FIG.	
	CLASS	SUBCLASS



**FIG. 2**

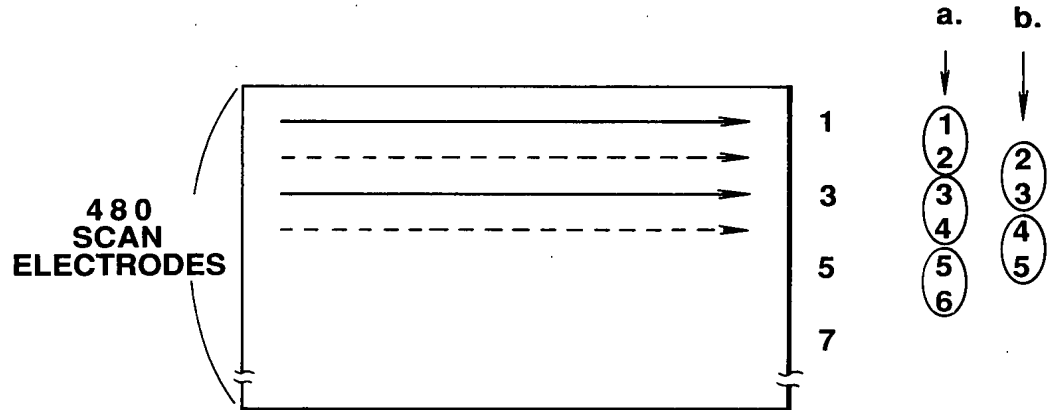
O. G. FIG.	SUBCLASS
	CLASS
APPROVED BY	DRAFTSMAN


**FIG. 3**

**FIG. 4**

O. G. FIG.	SUBCLASS
	CLASS
APPROVED BY	DRAFTSMAN

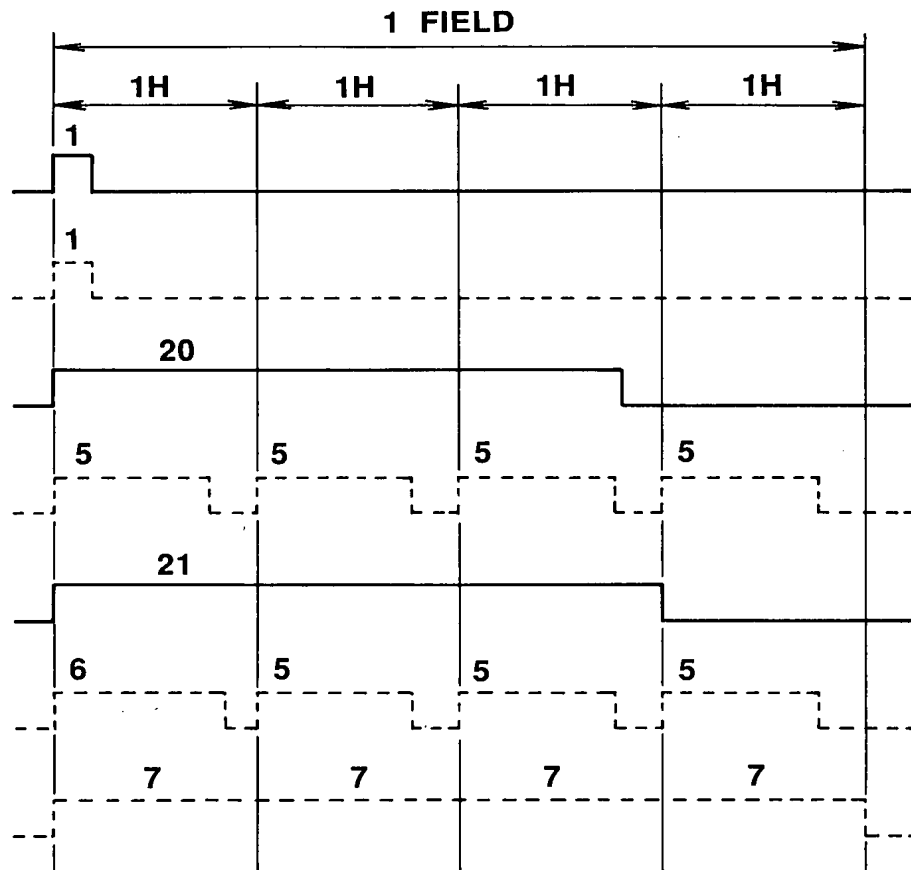


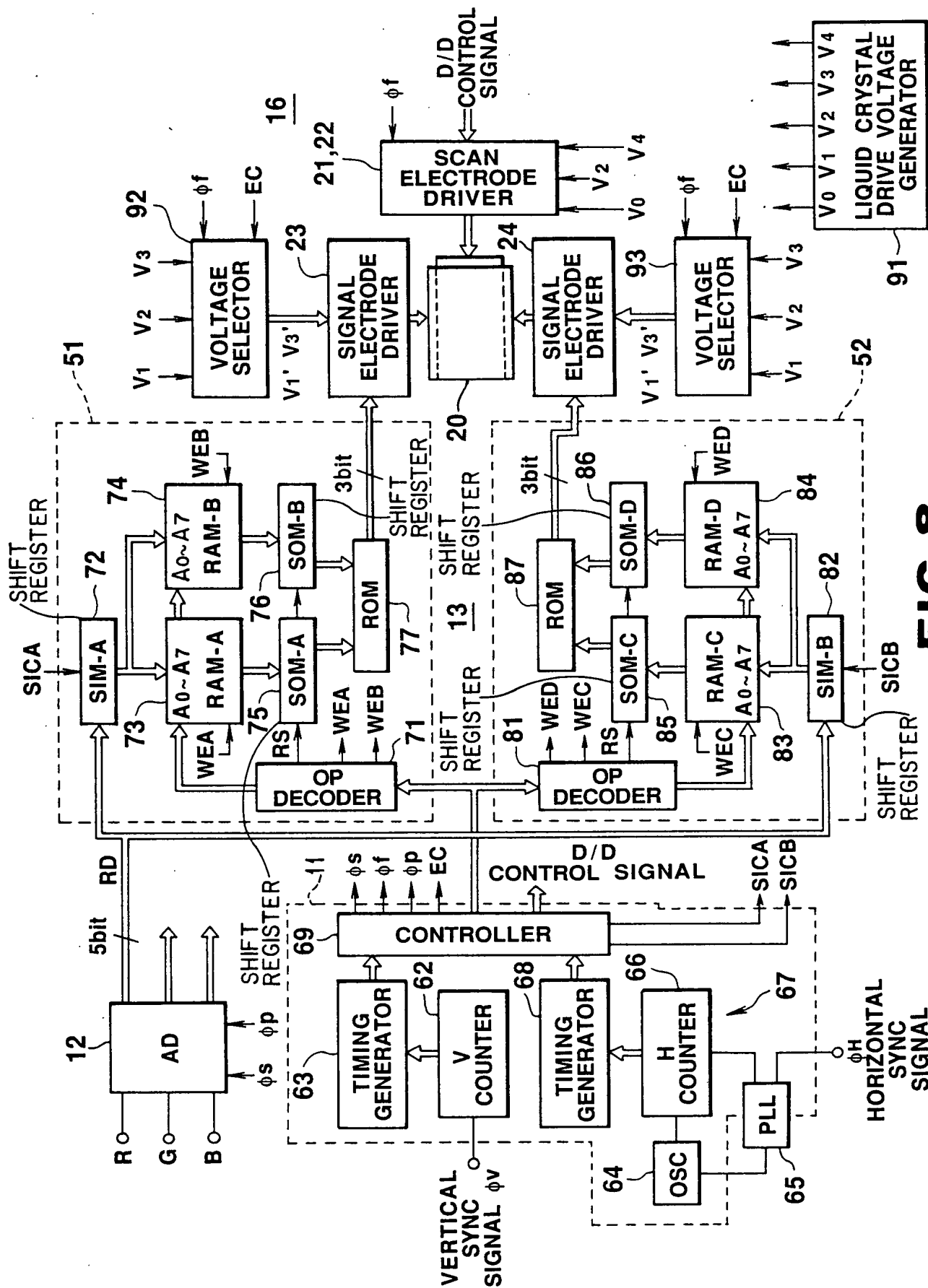
**FIG. 5**



**FIG. 7**

O.G. FIG. 6A 68	
CLASS	SUBCLASS
343	89
APPROVED BY DRAFTSMAN	

**FIG. 6A**
**FIG. 6B**
**FIG. 6C**
**FIG. 6D**
**FIG. 6E**
**FIG. 6F**
**FIG. 6G**




**FIG. 8**

APPROVED BY DRAFTSMAN	O. G. FIG.	
	CLASS	SUBCLASS

ROM TABLE 100

CURRENT TIME / PREVIOUS TIME	0	1	2	3	.....	15	.....	31
0	0000	2000	3010	4110		7777		7777
1	0000	1000	2010	3110		7777		7777
2	0000	0000	1010	2110		7777		7777
3	0000	0000	0010	1110		7777		7777
.								
.								
.								
15	0000	0000	0000	0000		4443		7777
.								
.								
.								
31	0003	0000	0000	0000		0000		7777

FIG. 9





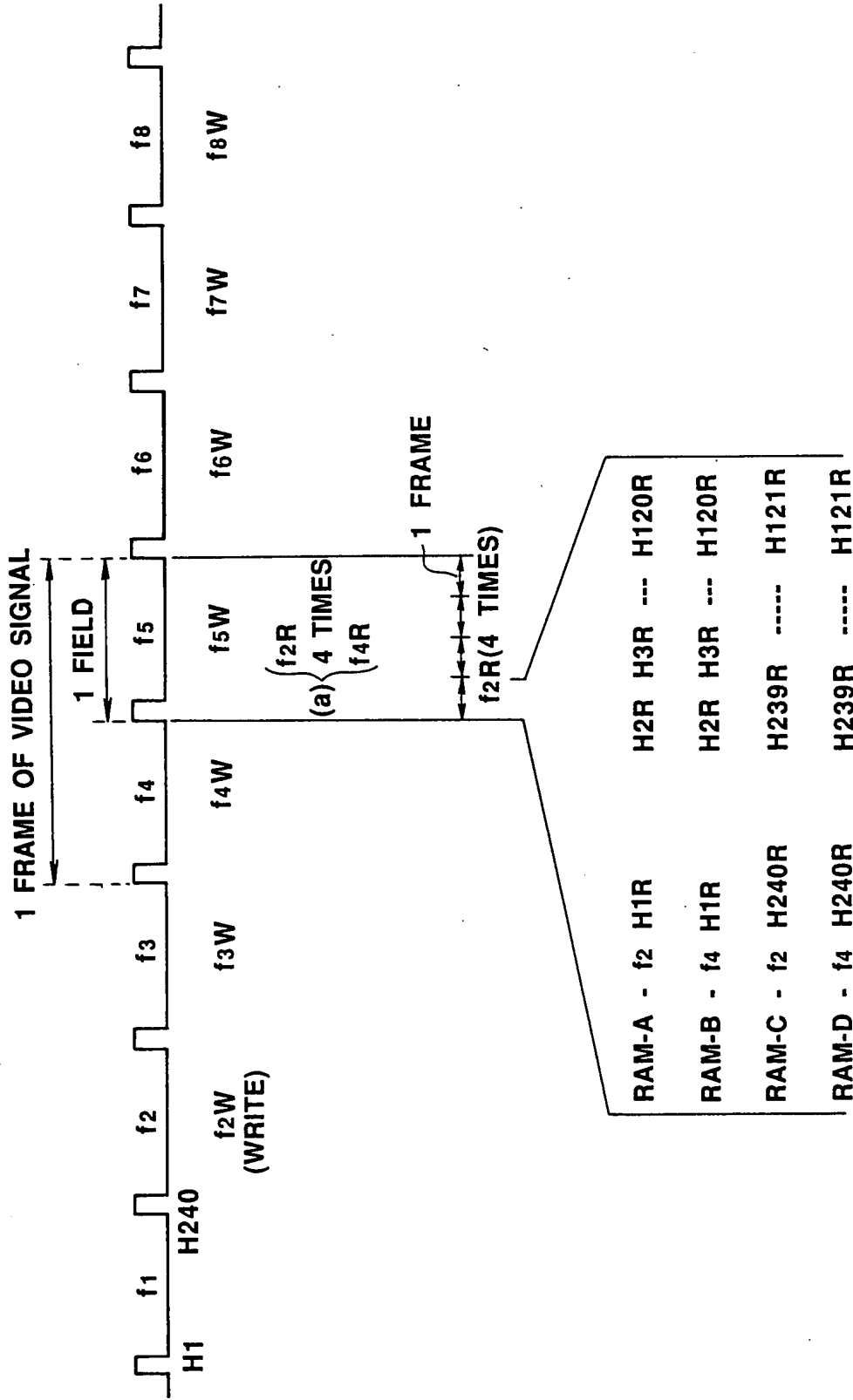
APPROVED BY DRAFTSMAN	O.G. FIG.	
	CLASS	SUBCLASS

08 238444

$\phi f$	SCAN ELECTRODE DRIVE SIGNAL $X_n$			SIGNAL ELECTRODE DRIVE SIGNAL $Y_n$		
	SELECTED STATE	NON- SELECTED STATE	ZERO BIAS EC"H"	SELECTED STATE	NON- SELECTED STATE	ZERO BIAS EC"H"
POSITIVE	V <sub>0</sub>	V <sub>2</sub>	V <sub>2</sub>	V <sub>3</sub>	V <sub>1</sub>	V <sub>2</sub>
INVERTED	V <sub>4</sub>	V <sub>2</sub>	V <sub>2</sub>	V <sub>1</sub>	V <sub>3</sub>	V <sub>2</sub>

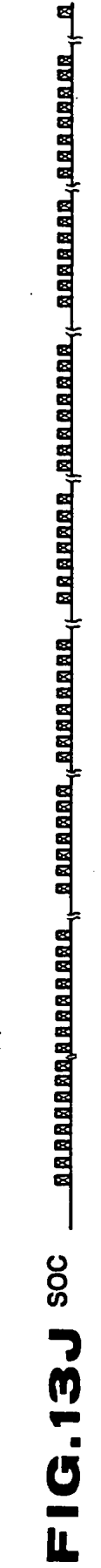
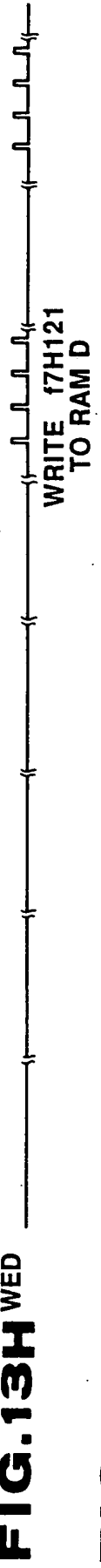
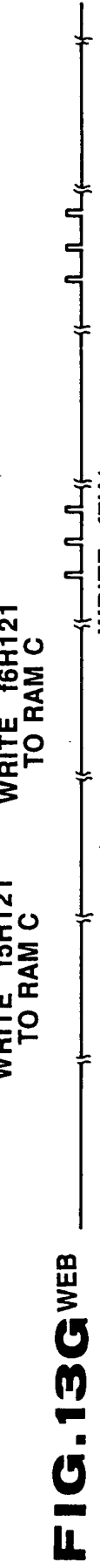
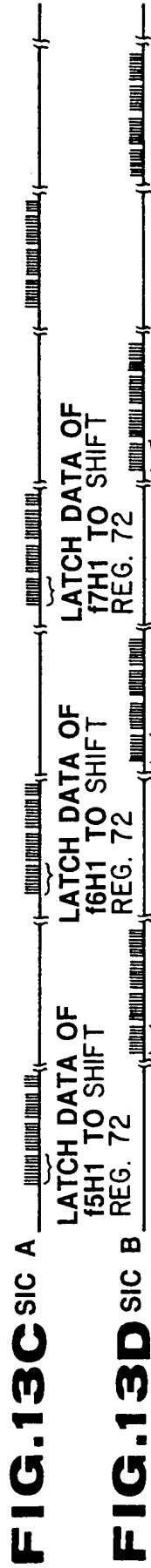
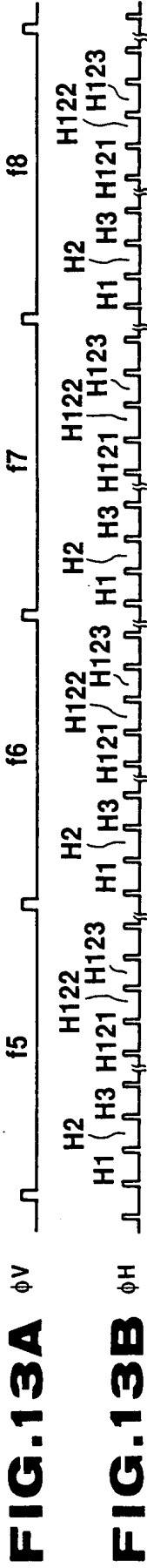
**FIG.11**

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
CRAFTSMAN		

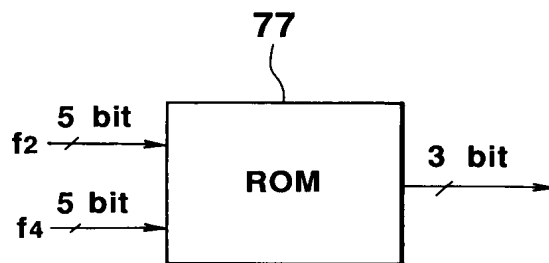
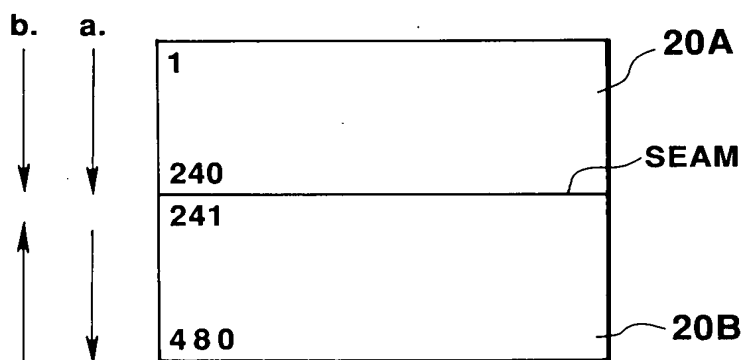


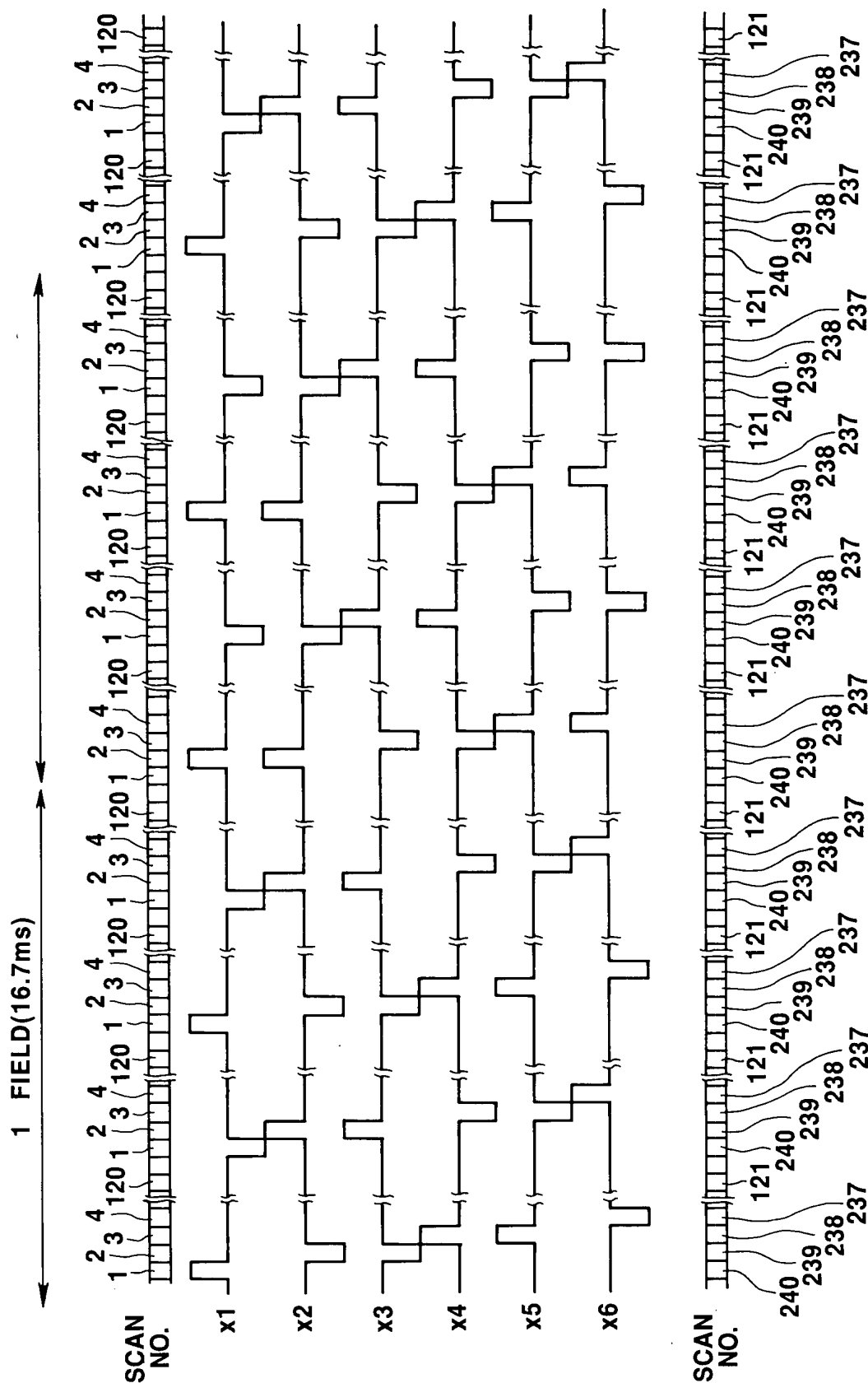
**FIG.12**

O.G. FIG.		
APPROVED	BY	CLASS
GRAFTSMAN		SUBCLASS

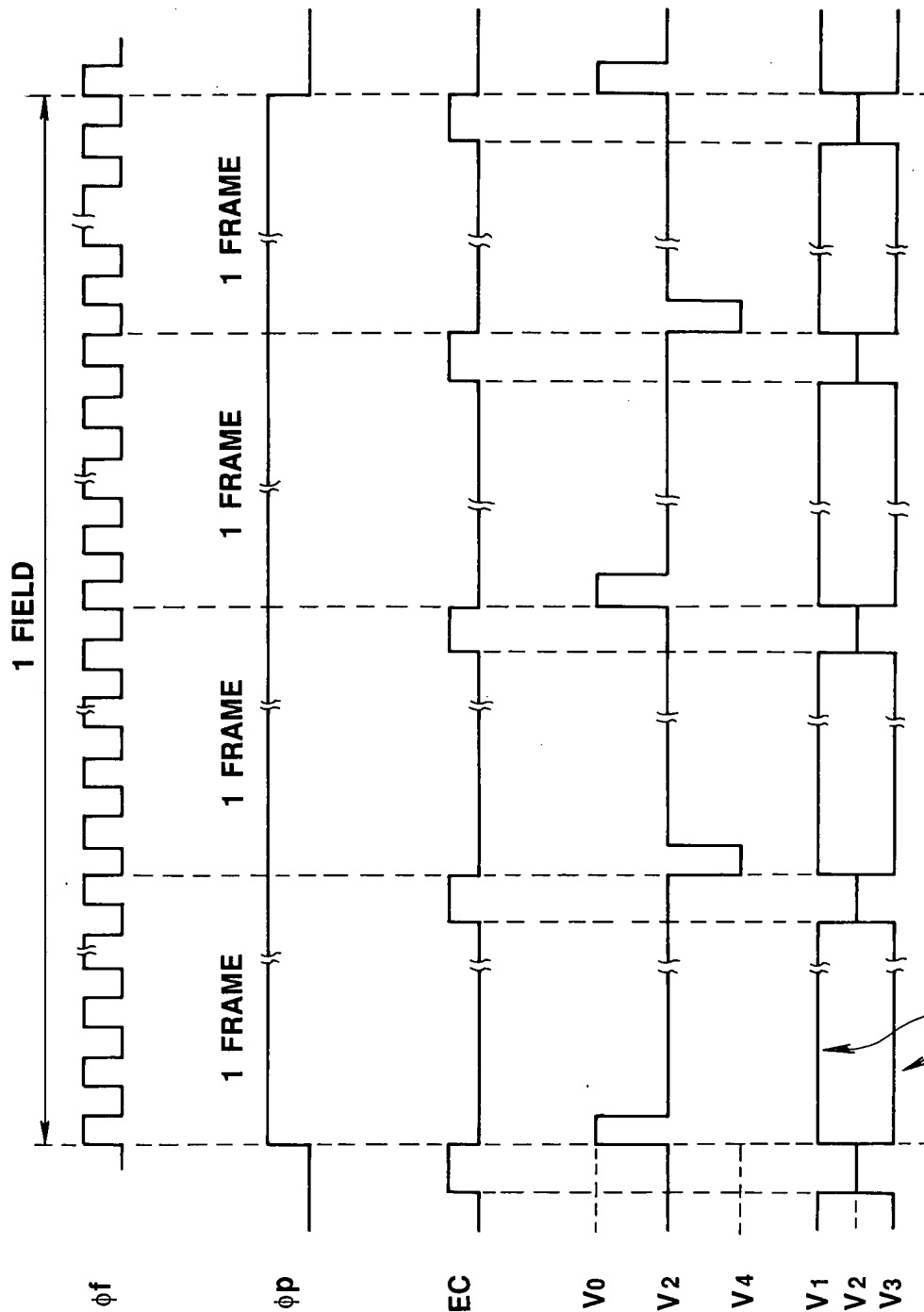


O. G. FIG.	SUBCLASS
APPROVED BY DRAFTSMAN	CLASS

**FIG.14****FIG.15**



APPROVED BY DRAFTSMAN	O. G. FIG.	
	CLASS	SUBCLASS



EITHER VOLTAGE  $V_1$  OR  $V_3$  CAN  
BE ACQUIRED IN SELECTED OR  
NON-SELECTED STATE

FIG. 17A

FIG. 17B

FIG. 17C

FIG. 17D

FIG. 17E

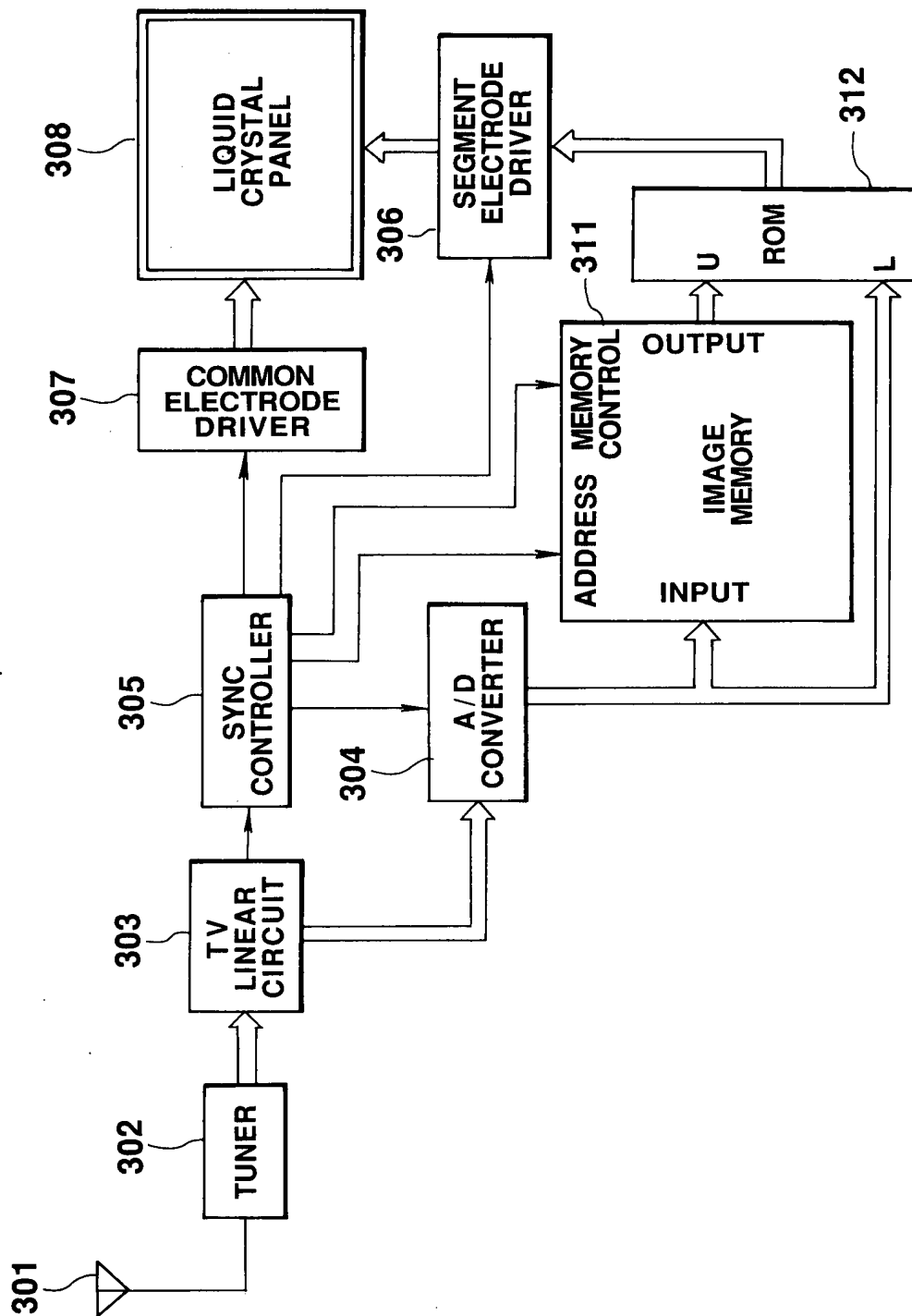


FIG.18

APPROVED	0.6 FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

O. G. FIG.		SUBCLASS	
CLASS			
APPROVED	BY	DRAFTSMAN	

# LOWER ADDRESSES

UPPER ADDRESSES				A2	0	0	0	0	1	1	1	1	
				A1	0	0	1	1	0	0	1	1	
				A0	0	1	0	1	0	1	0	1	
	A5	A4	A3										
	0	0	0	0	2	4	5	6	7	7	7		
	0	0	1	0	1	3	4	6	7	7	7		
	0	1	0	0	0	2	4	5	7	7	7		
	0	1	1	0	0	1	3	5	7	7	7		
	1	0	0	0	0	1	2	4	6	7	7		
	1	0	1	0	0	0	2	3	5	7	7		
1	1	0	0	0	0	1	2	4	6	7			
1	1	1	0	0	0	0	1	3	5	7			

FIG.19

FRAME	0	1	2	3	4	5	6	7	8	9
IMAGE DATA FROM A/D	0	→ 4	→ 7	→ 5	→ 1	→ 3	→ 4	→ 0	→ 7	→ 6
IMAGE DATA FROM ROM	*	→ 6	→ 7	→ 3	→ 0	→ 4	→ 5	→ 0	→ 7	→ 5

FIG.20



APPROVED BY DRAFTSMAN	O. G. FIG.	
	CLASS	SUBCLASS

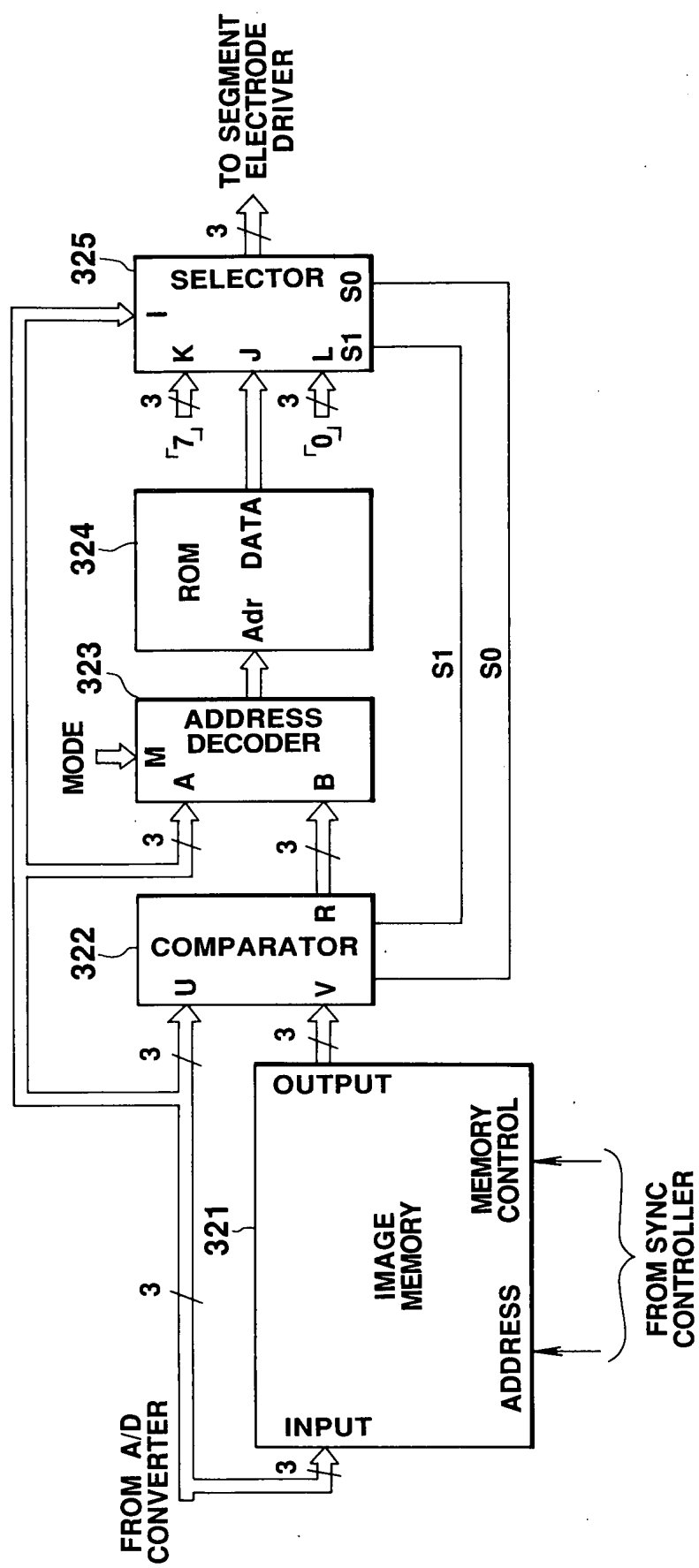


FIG. 21

O.G. FIG.		SUBCLASS	
CLASS			
APPROVED BY		DRAFTSMAN	

U - V	S1	S0	R
4 OR GREATER	1	0	*
1 ~ 3	0	1	U - V
0	0	0	*
- 3 ~ - 1	0	1	U - V
-4 OR LOWER	1	1	*

0:LOW LEVEL  
1:HIGH LEVEL  
\*:UNDETERMINED

**FIG.22**

S1	S0	P OUTPUT
0	0	I
0	1	J
1	0	K
1	1	L

**FIG.23**

O. G. FIG.	SUBCLASS
	CLASS
APPROVED BY DRAFTSMAN	

CURRENT GRAY SCALE (A)

GRAY SCALE  
DIFFERENCE  
(B)

0	1	2	3	4	5	6
+3			5	6	7	7
+2		3	5	6	7	7
+1	1	2	5	6	6	7
- 1	0	1	2	3	4	5
- 2	0	1	1	2	3	
- 3	0	0	1	1		

FIG. 24